

IN THE CLAIMS

1. (Currently amended) A dental hand piece, comprising:
a casing having an open front end, a rear end, an air inlet near said front end, and an air outlet near said rear end;
a rear bearing inside said casing close to a said rear end thereof;
an air turbine, having
a turbine wheel with and
a plurality of blades, performing a rotational movement driven by compressed driving
air, and
an axial airflow pattern from said front end toward said rear end;
a front bearing inside said casing close to said front end thereof;
an axis, carrying said air turbine and said rear and front bearings, further having a front end
with a central hole for receiving a drill head;
~~a drill head, having a rear end that is inserted into said central hole of said axis; and~~
a front lid housing cap, set on attached to said open front end of said casing, sealing having
a seal between said front housing cap and said casing, and with
a central hole for passing said drill head passing axis through said front lid housing
cap.
2. (Cancelled)
3. (Currently amended) The dental hand piece according to claim 1, wherein ring-shaped
channels are provided between outer peripheries of said front and rear bearings
and ~~said casing ring-shaped spaces are left~~.
4. (Currently amended) The dental hand piece according to claim 1, wherein a front deflector
is placed in front of said turbine wheel of said air turbine.
5. (Cancelled)
6. (Currently amended) The dental hand piece according to claim 1, wherein front and rear
deflectors are respectively placed in front of and behind said turbine wheel of
said air turbine.
7. (Currently amended) The dental hand piece according to claim 1, wherein a case-housing
of said drill head ~~is substituted for said casing and incorporates~~ said front lid
housing cap.

8. (Currently amended) The dental hand piece according to claim 1, wherein said air inlet is cut through said casing elsewhere near to said open front end thereof.
9. (Currently amended) The dental hand piece according to claim 1, wherein said air outlet is cut through said casing elsewhere near to a rear end thereof.
10. (Currently amended) The dental hand piece according to claim 1, wherein said said air inlet reaches to a front ring-shaped channel between an outer periphery of said front bearing and said casing.
11. (Currently amended) The dental hand piece according to claim 1, wherein said air outlet reaches to a rear-shaped ring channel between an outer periphery of said rear bearing and said casing.
12. (Currently amended) The dental hand piece according to claim 10, wherein a sealing ring is inserted between said drill head and said air outlet, for preventing any fluid or gas from said drill head to flow into said air outlet.
13. (Cancelled)